

LArSoft Coordination Meeting

Release and project report

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Today's agenda and speakers

- Release and project report (Erica)
- The problem of tracking taus in Geant4 (Christoph Alt)
- Recent evolution of Geant4 (Krzysztof Genser)
- AOB

Releases

- Last week
 - v08_27_04 released on Apr 1
 - Updated Rayleigh scattering length and index of refraction for LAr
 - fcl change in lardataalg ([PR 5](#))
 - New features toward support of two-view LArTPCs in larpandoracontent ([PR 3](#))
 - v08_00_00_02 released March 31
 - MicroBooNE MCC9 reco 1 production release
- This week
 - libwda v2_28_0 security update

Status of pending PRs

- Approvals in progress or ready to merge
 - Re-factoring PointIDAlg to split model interfaces and new ML algorithm for waveform recognition ([larrecodnn#2](#))
 - Multi-threaded GausHitFinder module ([larreco#10](#))

Status of pending PRs

- PRs under discussion for L1 or L2 approvals
 - NuRandomService engine for Geant4 see generator ([larg4#7](#))
 - L1 hold pending questions about whether this is an advisable change
 - Add fibonacci encoding and compression ([larcoreobj #5](#) and [lardataobj #5](#), resp.) and improved RadioGen ([larsim #7](#))
 - Colleagues at Sussex contacted in author's absence. Awaiting reply.
 - Utilities to read geometry and readout IDs from configuration ([larcoreobj #3](#))
 - Continues under discussion with author

Comment on the PR approval process

- Have noted that PRs sometimes linger in L2-pending state
- Not sure why this is happening now, since volume is relatively low
 - Expect volume to increase as various experiments get closer to critical times
- The approval procedure scales by adding L2 approvers within experiments
 - Either specialized per topic, or otherwise

Please let us know if there are other difficulties associated with executing the approval process!

The end